

Datasheet for ABIN2782130  
**anti-B4GALNT1 antibody (Middle Region)**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	100 µL
Target:	B4GALNT1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALNT1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human B4GALNT1
Sequence:	GLGSLRVGSC SDVVVDHASK LKLPWTSRDA GAETYARYRY PGSLDESQMA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against B4GALNT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	B4GALNT1
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## Target Details

Alternative Name:	B4GALNT1 ( <a href="#">B4GALNT1 Products</a> )
Background:	<p>GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids.</p> <p>B4GALNT1(GalNAc-T) catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.</p> <p>Alias Symbols: GALGT, GALNACT</p> <p>Protein Interaction Partner: UBC, B4GALNT1,</p> <p>Protein Size: 533</p>
Molecular Weight:	59 kDa
Gene ID:	2583
NCBI Accession:	<a href="#">NM_001478</a> , <a href="#">NP_001469</a>
UniProt:	<a href="#">Q00973</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 533 AA
Restrictions:	For Research Use only

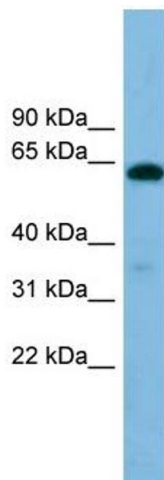
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in: Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: **Nucleic acids research**, Vol. 34, Issue Database issue, pp. D415-8, (2005) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-B4GALNT1 Antibody Titration:  
0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human kidney